

Defense Information Infrastructure (DII) Common Operating Environment (COE)

**Software Version Description (SVD)
for the
Grid Field API (MAGRID) Segment
of the
Tactical Environmental Support System Next Century
[TESS(NC)]
Meteorology and Oceanography (METOC) Database**

Document Version 4.5

1 March 1999

**Prepared for:
Naval Research Laboratory
Marine Meteorology Division
Monterey, CA**

**Prepared by:
Integrated Performance Decisions
Middletown, RI**

Table of Contents

1	SCOPE	1
1.1	Identification.....	1
1.2	System Overview	1
1.3	Product Information	4
1.3.1	Product Qualification	4
1.3.2	Product Restrictions	4
1.3.3	Product Dependencies	4
2	REFERENCED DOCUMENTS	5
2.1	Government Documents	5
2.2	Non-Government Documents	5
3	VERSION DESCRIPTION	7
3.1	Inventory of Materials Released	7
3.2	Inventory of Software Contents.....	7
3.3	Changes Installed	7
3.4	Waivers.....	7
3.5	Adaptation Data	7
3.6	Installation Instructions.....	7
3.7	Possible Problems and Known Errors	8
4	NOTES.....	9
4.1	Glossary of Acronyms	9

Appendix A - List of Executables and Environment Files **A-1**

Appendix B - Changes/Updates Since Preliminary Release..... **B-1**

Appendix C - Known Problems and Errors **C-1**

List of Figures

1-1 TESS(NC) METOC Database Conceptual Organization..... 3

This page intentionally left blank.

1 SCOPE

1.1 Identification

This Software Version Description (SVD) describes the Grid Field Application Program Interface (API) (MAGRID) segment, Version 4.3 series, of the Tactical Environmental Support System Next Century [TESS(NC)] Meteorology and Oceanography (METOC) Database. The MAGRID segment provides APIs for the storage and retrieval of grid field data. This software is designed to run under the Defense Information Infrastructure (DII) Common Operating Environment (COE), release 3.1, on a Hewlett-Packard computer running HP-UX 10.20 or a personal computer running the Microsoft Windows NT 4.0 operating system with Service Pack 3.

1.2 System Overview

The APIs described in this document form a portion of the METOC Database component of the TESS(NC) Program (Navy Integrated Tactical Environmental Subsystem (NITES) Version I). On 29 October 1996, the Oceanographer of the Navy issued a TESS Program Policy statement in letter 3140 Serial 961/6U570953, modifying the Program by calling for five seamless software versions that are DII COE compliant, preferably to level 5.

The five versions are:

- NITES Version I The local data fusion center and principal METOC analysis and forecast system (TESS(NC))
- NITES Version II The subsystem on the Joint Maritime Command Information System (JMCIS) or Global Command and Control System (GCCS) (NITES/Joint METOC Segment (JMS))
- NITES Version III The unclassified aviation forecast, briefing, and display subsystem tailored to Naval METOC shore activities (currently satisfied by the Meteorological Integrated Data Display System (MIDDS))
- NITES Version IV The Portable subsystem composed of independent Personal Computers (PCs)/workstations and modules for forecaster, satellite, communications, and Integrated Command, Control, Communications, Computer, and Intelligence Surveillance Reconnaissance (IC4ISR) functions (currently the Interim Mobile Oceanographic Support System (IMOSS))
- NITES Version V Foreign Military Sales (currently satisfied by the Allied Environmental Support System (AESS))

NITES I acquires and assimilates various METOC data for use by US Navy and Marine Corps weather forecasters and tactical planners. NITES I provides these users with METOC data, products, and applications necessary to support the warfighter in tactical operations and decision making. NITES I provides METOC data and products to NITES I and II applications, as well as non-TESS(NC) systems requiring METOC data, in a heterogeneous, networked computing environment.

The TESS(NC) Concept of Operations and system architecture require that the METOC Database be distributed both in terms of application access to METOC data and products and in terms of physical location of the data repositories. The organizational structure of the database is influenced by these requirements, and the components of this distributed database are described below.

In accordance with DII COE database concepts, the METOC Database is composed of six DII COE-compliant *shared database* segments. Associated with each shared database segment is an API segment. The segments are arranged by data type as follows:

<u>Data Type</u>	<u>Data Segment</u>	<u>API Segment</u>
Grid Fields	MDGRID	MAGRID
Latitude-Longitude-Time (LLT) Observations	MDLLT	MALLT
Textual Observations and Bulletins	MDTXT	MATXT
Remotely Sensed Data	MDREM	MAREM
Imagery	MDIMG	MAIMG
Climatology Data	MDCLIM	MACLIM

A typical client-server installation is depicted in Figure 1-1 on the next page. This shows the shared database segments residing on a DII COE SHADE database server, with a NITES I or II client machine hosting the API segments. Communication between API segments and shared database segments is accomplished over the network using American National Standards Institute (ANSI)-standard Structured Query Language (SQL).

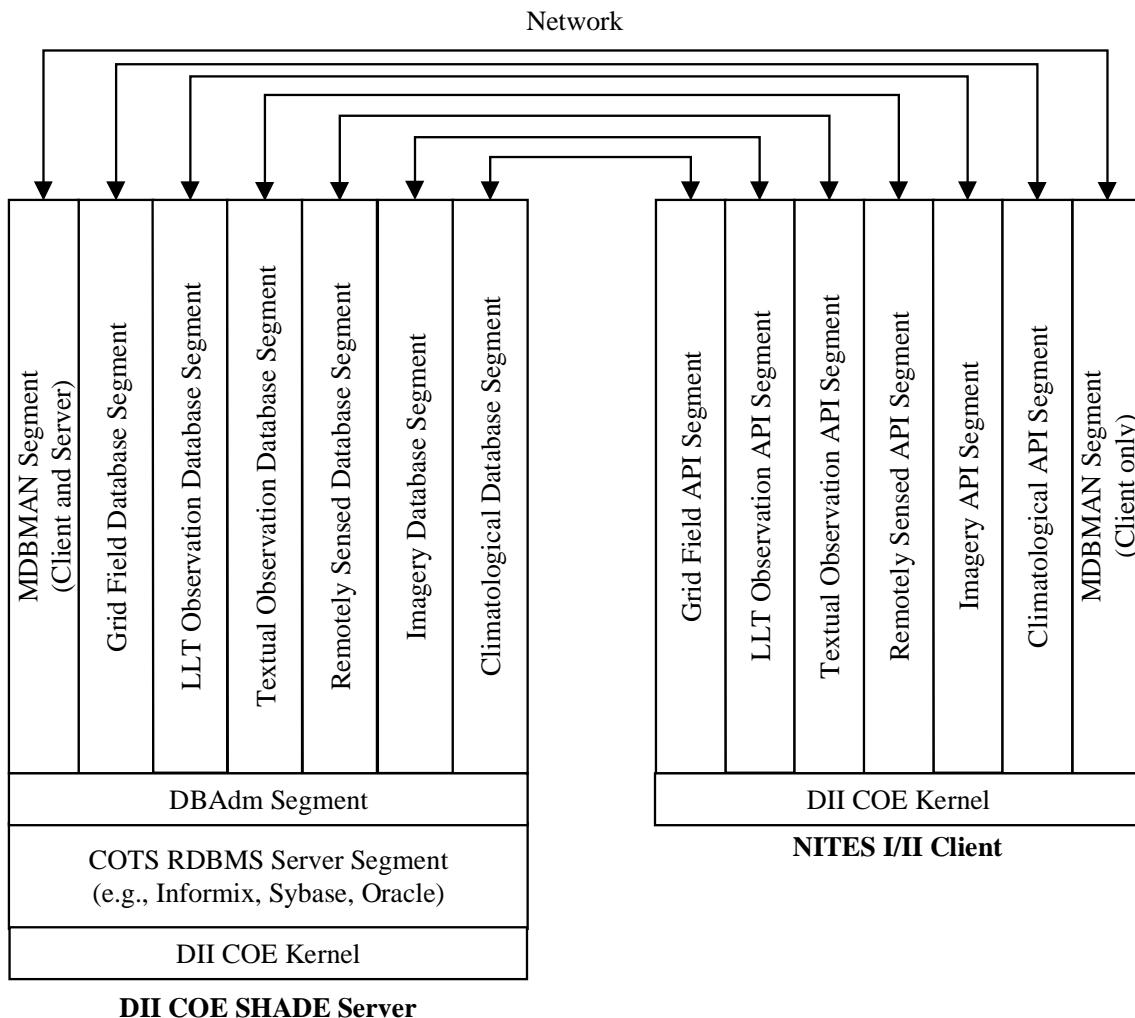


Figure 1-1. TESS(NC) METOC Database Conceptual Organization

The MAGRID segment deals with gridded METOC datasets. These fields provide forecasters with validation information for various atmospheric and oceanographic parameters. A dataset represents a logical collection of discrete grid field data records. The grid data records are logically organized with each other by grid model type and basetime. A grid data record contains descriptive information (element, level, forecast period, etc.) and the actual grid values.

1.3 Product Information

1.3.1 Product Qualification

Test and Evaluation (T&E) of the software was performed at the Integrated Performance Decisions (IPD) facility in Middletown, RI, prior to delivery of the software.

1.3.2 Product Restrictions

IPD's intellectual property rights to deliverables defined in this document are covered by the copyright license under the clause in DFARS 252.227-7013 (Nov. 1995).

1.3.3 Product Dependencies

The MAGRID segment is hosted on the following hardware:

- Tactical Advanced Computer, TAC-3 (HP 750/755)/TAC-4 (HP J210)
- IBM-Compatible PC

The operating system requirements are:

- TAC-3/TAC-4: HP-UX 10.20
- PC: Windows NT 4.0 with Service Pack 3

The kernel requirements are:

- TAC-3/TAC-4: Kernel 3.0.1.0 with patches through P4
- PC: N/A

The following software must be properly installed prior to loading the MAGRID segment:

- Appropriate operating system (as described above)
- Appropriate DII COE Kernel (as described above)
- DII COE Informix Connect Segment (INFXCN), version 1.0.1.0
- Grid Field Database (MDGRID) segment installed on a DII COE database server.

2 REFERENCED DOCUMENTS

2.1 Government Documents

Unnumbered 30 September 1997	<i>Database Design Description for the Tactical Environmental Support System/Next Century [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i> , Space and Naval Warfare Systems Command, Environmental Systems Program Office (SPAWAR PMW-185), Washington, DC
ipd4400magridipTES-10 29 January 1999	<i>Installation Procedures (IP) for the Grid Field API (MAGRID) Segment of the Tactical Environmental Support System Next Century [TESS(NC)] Meteorology and Oceanography (METOC) Database</i>
ipd4600magridrmTES-10 29 January 1999	<i>Application Program Interface Reference Manual (APIRM) for the Grid Field API (MAGRID) Segment of the Tactical Environmental Support System Next Century [TESS(NC)] Meteorology and Oceanography (METOC) Database</i>
ipd4600magridpmTES-10 29 January 1999	<i>Programming Manual (PM) for the Grid Field API (MAGRID) Segment of the Tactical Environmental Support System Next Century [TESS(NC)] Meteorology and Oceanography (METOC) Database</i>

2.2 Non-Government Documents

None.

This page intentionally left blank.

3 VERSION DESCRIPTION

3.1 Inventory of Materials Released

All physical media and associated documentation for the MAGRID segment are listed below.

- MAGRID segment v4.3.1.0 (HP-UX) Installation Tape (4-mm Digital Audio Tape (DAT) cartridge for TAC-3/TAC-4 hardware)
- MAGRID segment v4.3.1.0 (Windows NT) Installation diskette(s) (3.5" high-density diskette, IBM format for Windows NT 4.0 with Service Pack 3)
- MAGRID segment v4.5 SVD, dated 1 March 1999.

3.2 Inventory of Software Contents

A list of all executables and environment files delivered is contained in Appendix A of this document.

3.3 Changes Installed

A list of changes installed since the Preliminary (Developer) Release of the MAGRID software is contained in Appendix B of this document.

3.4 Waivers

There are no waivers associated with this software.

3.5 Adaptation Data

There are no unique-to-site data contained in the MAGRID 4.3.1.0 release.

3.6 Installation Instructions

The MAGRID segment v4.3 series IP referenced in Section 2 of this document provides comprehensive installation instructions for the MAGRID segment. The fully installed segment occupies approximately 10.54 MB of disk space on HP-UX machines and 6.74 MB on Windows NT machines. On TAC-3/TAC-4 machines, the software requires a minimum of 128 MB of RAM, with 192 MB recommended. On Windows NT machines, the software requires a minimum of 32 MB of RAM, with 128 MB recommended.

3.7 Possible Problems and Known Errors

Known problems and errors with MAGRID software are listed in Appendix C of this document.

4 NOTES

4.1 Glossary of Acronyms

AESS	Allied Environmental Support System
ANSI	American National Standards Institute
API	Application Program Interface
APIRM	API Reference Manual
COE	Common Operating Environment
DAT	Digital Audio Tape
DII	Defense Information Infrastructure
GCCS	Global Command and Control System
IC4ISR	Integrated Command, Control, Communications, Computer, and Intelligence Surveillance Reconnaissance
IMOSS	Interim Mobil Oceanographic Support System
INFXCN	Informix Connect Segment
IP	Installation Procedures
IPD	Integrated Performance Decisions
JMCIS	Joint Maritime Command Information System
JMS	Joint METOC Segment
LLT	Latitude-Longitude-Time
MAGRID	Grid Field API Segment of the TESS(NC) METOC Database
MDGRID	Grid Field Database Segment of the TESS(NC) METOC Database
METOC	Meteorology and Oceanography
MIDDS	Meteorological Integrated Data Display System

NITES	Navy Integrated Tactical Environmental System
PC	Personal Computer
PM	Programming Manual
PTR	Program Trouble Report
SQL	Structured Query Language
SVD	Software Version Description
T&E	Test and Evaluation
TESS(NC)	Tactical Environmental Support System Next Century

Appendix A - List of Executables and Environment Files

A.1 File Structure for HP-UX Delivery

```

total 16
drwxrwxr-x 2 272 COE 1024 Feb 26 15:21 SegDescrip
drwxrwxr-x 3 sysadmin COE 1024 Feb 25 20:29 Integ
drwxrwxr-x 2 sysadmin COE 1024 Feb 25 20:28 lib
drwxrwxr-x 2 sysadmin COE 1024 Feb 25 20:28 bin
drwxrwxr-x 2 sysadmin COE 1024 Feb 25 20:28 include
drwxrwxr-x 3 sysadmin COE 1024 Feb 25 20:28 man
drwxrwxr-x 2 sysadmin COE 1024 Feb 25 20:28 Scripts
drwxrwxr-x 2 sysadmin COE 24 Feb 24 22:20 data

MAGRID/SegDescrip:
total 54
-rw-rw-rw- 1 root other 132 Feb 25 20:29 Installed
-rw-rw-rw- 1 root COE 120 Feb 25 18:02 Validated
-rw-r--r-- 1 272 COE 497 Feb 25 18:02 SegInfo
-rw-rw-r-- 1 272 COE 19226 Feb 25 18:01 FileAttribs
-rwxr-xr-x 1 272 COE 265 Feb 25 18:01 PostInstall
-rw-r--r-- 1 272 COE 183 Feb 25 18:01 VERSION
-rwxr-xr-x 1 272 COE 166 Feb 25 18:01 DEINSTALL
-rw-r--r-- 1 272 COE 546 Feb 25 18:01 SegName
-rw-r--r-- 1 272 COE 1004 Feb 25 18:01 ReleaseNotes

MAGRID/Integ:
total 6
drwxrwxr-x 3 sysadmin COE 2048 Feb 25 20:59 TestSuite
-rw-rw-r-- 1 sysadmin COE 279 Feb 25 18:02 VSOutput

MAGRID/Integ/TestSuite:
total 19662
-rw----- 1 sysadmin other 636564 Feb 25 20:59 core
drwxrwxr-x 27 sysadmin COE 1024 Feb 25 20:29 TESTDATA
-r-xr-xr-x 1 sysadmin COE 303803 Feb 24 22:22 MAGRIDtestRegTable_l
-r-xr-xr-x 1 sysadmin COE 295607 Feb 24 22:22 MAGRIDtestParamTable_l
-r-xr-xr-x 1 sysadmin COE 295609 Feb 24 22:22 MAGRIDtestModelTable_l
-r-xr-xr-x 1 sysadmin COE 295609 Feb 24 22:22 MAGRIDtestCenterTable_l
-r-xr-xr-x 1 sysadmin COE 53540 Feb 24 22:22 MAGRIDtestRegTable_d
-r-xr-xr-x 1 sysadmin COE 53538 Feb 24 22:22 MAGRIDtestParamTable_d
-r-xr-xr-x 1 sysadmin COE 53538 Feb 24 22:22 MAGRIDtestModelTable_d
-r-xr-xr-x 1 sysadmin COE 49440 Feb 24 22:22 MAGRIDtestCenterTable_d
-r-xr-xr-x 1 sysadmin COE 217632 Feb 24 22:22 MAGRIDtestBrowse_l
-r-xr-xr-x 1 sysadmin COE 57648 Feb 24 22:22 MAGRIDtestBrowse_d
-r-xr-xr-x 1 sysadmin COE 131458 Feb 24 22:22 MAGRIDtestDataSet_l
-r-xr-xr-x 1 sysadmin COE 156081 Feb 24 22:22 MAGRIDtestCenters_l
-r-xr-xr-x 1 sysadmin COE 156078 Feb 24 22:22 MAGRIDtestParams_l
-r-xr-xr-x 1 sysadmin COE 156081 Feb 24 22:22 MAGRIDtestUnits_l
-r-xr-xr-x 1 sysadmin COE 156078 Feb 24 22:22 MAGRIDtestModels_l
-r-xr-xr-x 1 sysadmin COE 53533 Feb 24 22:22 MAGRIDtestDataSet_d
-r-xr-xr-x 1 sysadmin COE 49440 Feb 24 22:22 MAGRIDtestCenters_d
-r-xr-xr-x 1 sysadmin COE 49439 Feb 24 22:22 MAGRIDtestParams_d
-r-xr-xr-x 1 sysadmin COE 49440 Feb 24 22:22 MAGRIDtestUnits_d
-r-xr-xr-x 1 sysadmin COE 49437 Feb 24 22:22 MAGRIDtestModels_d
-r-xr-xr-x 1 sysadmin COE 291462 Feb 24 22:22 MAGRIDtestUpdateByID_l
-r-xr-xr-x 1 sysadmin COE 49439 Feb 24 22:22 MAGRIDtestUpdateByID_d
-r---r--r-- 1 sysadmin COE 4771 Feb 24 22:22 MAGRID_TEST.README

```

-r-xr-xr-x	1	sysadmin	COE	312016	Feb 24 22:22	MAGRIDtestIngestEof_1
-r-xr-xr-x	1	sysadmin	COE	184788	Feb 24 22:22	MAGRIDtestStore3D_1
-r-xr-xr-x	1	sysadmin	COE	57648	Feb 24 22:22	MAGRIDtestIngestEof_d
-r-xr-xr-x	1	sysadmin	COE	57640	Feb 24 22:22	MAGRIDtestStore3D_d
-r-xr-xr-x	1	sysadmin	COE	270942	Feb 24 22:22	MAGRIDtestGetTrack_1
-r-xr-xr-x	1	sysadmin	COE	238136	Feb 24 22:22	MAGRIDtestGetSlice_1
-r-xr-xr-x	1	sysadmin	COE	238135	Feb 24 22:22	MAGRIDtestGetVolume_1
-r-xr-xr-x	1	sysadmin	COE	238134	Feb 24 22:22	MAGRIDtestProfile_1
-r-xr-xr-x	1	sysadmin	COE	156077	Feb 24 22:22	MAGRIDtest3DCatalog_1
-r-xr-xr-x	1	sysadmin	COE	53538	Feb 24 22:22	MAGRIDtestGetTrack_d
-r-xr-xr-x	1	sysadmin	COE	53537	Feb 24 22:22	MAGRIDtestGetSlice_d
-r-xr-xr-x	1	sysadmin	COE	57635	Feb 24 22:22	MAGRIDtestGetVolume_d
-r-xr-xr-x	1	sysadmin	COE	53533	Feb 24 22:22	MAGRIDtestProfile_d
-r-xr-xr-x	1	sysadmin	COE	53541	Feb 24 22:22	MAGRIDtest3DCatalog_d
-r-xr-xr-x	1	sysadmin	COE	295615	Feb 24 22:22	MAGRIDtestRetrReg_1
-r-xr-xr-x	1	sysadmin	COE	369410	Feb 24 22:22	MAGRIDtestGetByQuery_1
-r-xr-xr-x	1	sysadmin	COE	369406	Feb 24 22:22	MAGRIDtestGetByID_1
-r-xr-xr-x	1	sysadmin	COE	369413	Feb 24 22:22	MAGRIDtest2DCatalog_1
-r-xr-xr-x	1	sysadmin	COE	348894	Feb 24 22:22	MAGRIDtestGetPoint_1
-r-xr-xr-x	1	sysadmin	COE	53545	Feb 24 22:22	MAGRIDtestRetrReg_d
-r-xr-xr-x	1	sysadmin	COE	57650	Feb 24 22:22	MAGRIDtestGetByQuery_d
-r-xr-xr-x	1	sysadmin	COE	53548	Feb 24 22:22	MAGRIDtestGetByID_d
-r-xr-xr-x	1	sysadmin	COE	57648	Feb 24 22:22	MAGRIDtest2DCatalog_d
-r-xr-xr-x	1	sysadmin	COE	53547	Feb 24 22:22	MAGRIDtestGetPoint_d
-r-xr-xr-x	1	sysadmin	COE	361206	Feb 24 22:22	MAGRIDtestStore_1
-r-xr-xr-x	1	sysadmin	COE	57641	Feb 24 22:22	MAGRIDtestStore_d
-r-xr-xr-x	1	sysadmin	COE	193032	Feb 24 22:21	MAGRIDtestDeleteByQuery_1
-r-xr-xr-x	1	sysadmin	COE	361215	Feb 24 22:21	MAGRIDtestDelete_1
-r-xr-xr-x	1	sysadmin	COE	193032	Feb 24 22:21	MAGRIDtestDeleteByQuery_d
-r-xr-xr-x	1	sysadmin	COE	361215	Feb 24 22:21	MAGRIDtestDelete_d
-r-xr-xr-x	1	sysadmin	COE	303802	Feb 24 22:21	MAGRIDtestReg_1
-r-xr-xr-x	1	sysadmin	COE	53540	Feb 24 22:21	MAGRIDtestReg_d

MAGRID/Integ/TestSuite/TESTDATA:

total 50						
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:29	DELETEBYQY
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:29	EOF
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:29	DYN_REG4
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:29	POINT
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	DYN_REG3
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	MODELS
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	DYN_REG2
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	DYN_REG1
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	PARMS
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	UNITS
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	STORE_3D
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	CENTERS
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	SLICE
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	CAT_3D
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	PROFILE
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	GET_VOLUME
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	GET_TRACK
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	RETRREG
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	UPDATE
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	REG
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	GET_BY_ID
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	DELETE
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	GETBYQY
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	CAT_2D
drwxrwxr-x	2	sysadmin	COE	1024	Feb 25 20:28	STORE

MAGRID/Integ/TestSuite/TESTDATA/DELETEBYQY:

```
total 14
-r--r--- 1 sysadmin COE      181  Feb 24 22:22 delq_3d
-r--r--- 1 sysadmin COE      185  Feb 24 22:22 delq_parm
-r--r--- 1 sysadmin COE      188  Feb 24 22:22 x_delq_Parm134201
-r--r--- 1 sysadmin COE      180  Feb 24 22:22 delq_tau
-r--r--- 1 sysadmin COE      187  Feb 24 22:22 x_delq_gridID290
-r--r--- 1 sysadmin COE      187  Feb 24 22:22 x_delq_GridType5
-r--r--- 1 sysadmin COE      187  Feb 24 22:22 delq_223
```

MAGRID/Integ/TestSuite/TESTDATA/EOF:

```
total 114
-r--r--- 1 sysadmin COE      57567  Feb 24 22:22 DF361212.MES
```

MAGRID/Integ/TestSuite/TESTDATA/DYN_REG4:

```
total 2
-r--r--- 1 sysadmin COE      345  Feb 24 22:22 reg_pt_compare
```

MAGRID/Integ/TestSuite/TESTDATA/POINT:

```
total 10
-r--r--- 1 sysadmin COE      65  Feb 24 22:22 pt5
-r--r--- 1 sysadmin COE      64  Feb 24 22:22 pt1
-r--r--- 1 sysadmin COE      65  Feb 24 22:22 pt3
-r--r--- 1 sysadmin COE      65  Feb 24 22:22 pt2
-r--r--- 1 sysadmin COE      63  Feb 24 22:22 pt4
```

MAGRID/Integ/TestSuite/TESTDATA/DYN_REG3:

```
total 2
-r--r--- 1 sysadmin COE      346  Feb 24 22:22 reg_crossover
```

MAGRID/Integ/TestSuite/TESTDATA/MODELS:

```
total 8
-r--r--- 1 sysadmin COE      51  Feb 24 22:22 get58_0_249_nomodelid
-r--r--- 1 sysadmin COE      60  Feb 24 22:22 getallmodels
-r--r--- 1 sysadmin COE      57  Feb 24 22:22 getall158models
-r--r--- 1 sysadmin COE      48  Feb 24 22:22 get58_0_242_70models
```

MAGRID/Integ/TestSuite/TESTDATA/DYN_REG2:

```
total 2
-r--r--- 1 sysadmin COE      343  Feb 24 22:22 reg_modas_socal
```

MAGRID/Integ/TestSuite/TESTDATA/DYN_REG1:

```
total 2
-r--r--- 1 sysadmin COE      348  Feb 24 22:22 reg_new_lambert2
```

MAGRID/Integ/TestSuite/TESTDATA/PARMS:

```
total 8
-r--r--- 1 sysadmin COE      45  Feb 24 22:22 getall158_1parms
-r--r--- 1 sysadmin COE      51  Feb 24 22:22 getallparms
-r--r--- 1 sysadmin COE      48  Feb 24 22:22 get79parms
-r--r--- 1 sysadmin COE      42  Feb 24 22:22 get58_0_140parms
```

MAGRID/Integ/TestSuite/TESTDATA/UNITS:

```
total 8
-r--r--- 1 sysadmin COE      11  Feb 24 22:22 get140_Units
-r--r--- 1 sysadmin COE      12  Feb 24 22:22 x_getBadUnit
-r--r--- 1 sysadmin COE      10  Feb 24 22:22 get51_Units
-r--r--- 1 sysadmin COE      13  Feb 24 22:22 getallUnits
```

MAGRID/Integ/TestSuite/TESTDATA/STORE_3D:

```
total 8
-r--r--- 1 sysadmin COE      964 Feb 24 22:21 st_io
-r--r--- 1 sysadmin COE      964 Feb 24 22:21 st_io2
-r--r--- 1 sysadmin COE      964 Feb 24 22:21 st_socal
-r--r--- 1 sysadmin COE      964 Feb 24 22:21 st_conus
```

MAGRID/Integ/TestSuite/TESTDATA/CENTERS:

```
total 8
-r--r--- 1 sysadmin COE      26 Feb 24 22:22 get58_0Center
-r--r--- 1 sysadmin COE      28 Feb 24 22:22 x_getBadCenters
-r--r--- 1 sysadmin COE      33 Feb 24 22:22 getallCenters
-r--r--- 1 sysadmin COE      30 Feb 24 22:21 get58SubCenters
```

MAGRID/Integ/TestSuite/TESTDATA/SLICE:

```
total 28
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_y
-r--r--- 1 sysadmin COE      256 Feb 24 22:21 get_Slice
-r--r--- 1 sysadmin COE      222 Feb 24 22:21 X_get_Slice_u
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_proj
-r--r--- 1 sysadmin COE      222 Feb 24 22:21 X_get_Slice_sm
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_WLon
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_Lvl
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_X
-r--r--- 1 sysadmin COE      220 Feb 24 22:21 X_get_Slice_NLat
-r--r--- 1 sysadmin COE      222 Feb 24 22:21 X_get_Slice_XY
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_RI
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_SLat
-r--r--- 1 sysadmin COE      221 Feb 24 22:21 X_get_Slice_ELon
-r--r--- 1 sysadmin COE      210 Feb 24 22:21 X_get_Slice_DSN
```

MAGRID/Integ/TestSuite/TESTDATA/CAT_3D:

```
total 12
-r--r--- 1 sysadmin COE      224 Feb 24 22:21 x_3dcat_modid
-r--r--- 1 sysadmin COE      225 Feb 24 22:21 x_3dcat_ll
-r--r--- 1 sysadmin COE      234 Feb 24 22:21 3dcat_modid_grid_sal
-r--r--- 1 sysadmin COE      235 Feb 24 22:21 3dcat_wildcard
-r--r--- 1 sysadmin COE      234 Feb 24 22:21 3dcat_modid_gridid_sv
-r--r--- 1 sysadmin COE      234 Feb 24 22:21 3dcat_modid_gridid_temp
```

MAGRID/Integ/TestSuite/TESTDATA/PROFILE:

```
total 14
-r--r--- 1 sysadmin COE      78 Feb 24 22:21 x_prof_ll
-r--r--- 1 sysadmin COE      64 Feb 24 22:21 x_prof_ll_wild
-r--r--- 1 sysadmin COE      79 Feb 24 22:21 x_prof_id
-r--r--- 1 sysadmin COE      78 Feb 24 22:21 prof_id_pole
-r--r--- 1 sysadmin COE      78 Feb 24 22:21 prof_id_conus
-r--r--- 1 sysadmin COE      75 Feb 24 22:21 prof_id_equator
-r--r--- 1 sysadmin COE      78 Feb 24 22:21 prof_id_IntdateLine
```

MAGRID/Integ/TestSuite/TESTDATA/GET_VOLUME:

```
total 28
-r--r--- 1 sysadmin COE      251 Feb 24 22:21 getId_3D_conv
-r--r--- 1 sysadmin COE      216 Feb 24 22:21 X_getId_3D_conv
-r--r--- 1 sysadmin COE      252 Feb 24 22:21 getId_3D
-r--r--- 1 sysadmin COE      220 Feb 24 22:21 X_getId_3D_proj
-r--r--- 1 sysadmin COE      219 Feb 24 22:21 X_getId_3D_sm
-r--r--- 1 sysadmin COE      219 Feb 24 22:21 X_getId_3D_u
-r--r--- 1 sysadmin COE      215 Feb 24 22:21 X_getId_3D_ELon
-r--r--- 1 sysadmin COE      218 Feb 24 22:21 X_getId_3D_SLat
-r--r--- 1 sysadmin COE      217 Feb 24 22:21 X_getId_3D_WLon
```

-r--r--r--	1	sysadmin	COE	220	Feb	24	22:21	X_getId_3D_RI
-r--r--r--	1	sysadmin	COE	221	Feb	24	22:21	X_getId_3D_XPts
-r--r--r--	1	sysadmin	COE	209	Feb	24	22:21	X_getId_3D_DSN
-r--r--r--	1	sysadmin	COE	225	Feb	24	22:21	X_getId_3D_YPts
-r--r--r--	1	sysadmin	COE	218	Feb	24	22:21	X_getId_3D_NLat

MAGRID/Integ/TestSuite/TESTDATA/GET_TRACK:

total	24							
-r--r--r--	1	sysadmin	COE	216	Feb	24	22:21	X_getTrack_res
-r--r--r--	1	sysadmin	COE	217	Feb	24	22:21	getTrack_wc
-r--r--r--	1	sysadmin	COE	215	Feb	24	22:21	getTrack_IO
-r--r--r--	1	sysadmin	COE	216	Feb	24	22:21	getTrack_conus
-r--r--r--	1	sysadmin	COE	216	Feb	24	22:21	getTrack_gp
-r--r--r--	1	sysadmin	COE	217	Feb	24	22:21	getTrack_socal
-r--r--r--	1	sysadmin	COE	215	Feb	24	22:21	X_getTrack_bearing
-r--r--r--	1	sysadmin	COE	215	Feb	24	22:21	X_getTrack_gi
-r--r--r--	1	sysadmin	COE	213	Feb	24	22:21	X_getTrack_range
-r--r--r--	1	sysadmin	COE	217	Feb	24	22:21	X_getTrack_p
-r--r--r--	1	sysadmin	COE	215	Feb	24	22:21	X_getTrack_bbt
-r--r--r--	1	sysadmin	COE	215	Feb	24	22:21	X_getTrack_pc

MAGRID/Integ/TestSuite/TESTDATA/RETRREG:

total	16							
-r--r--r--	1	sysadmin	COE	41	Feb	24	22:21	retrReg_nogaps
-r--r--r--	1	sysadmin	COE	37	Feb	24	22:21	x_retrReg_gID
-r--r--r--	1	sysadmin	COE	46	Feb	24	22:21	retrReg_allWild
-r--r--r--	1	sysadmin	COE	37	Feb	24	22:21	retrReg_norapsConus
-r--r--r--	1	sysadmin	COE	44	Feb	24	22:21	retrReg_gridId
-r--r--r--	1	sysadmin	COE	37	Feb	24	22:21	retrReg_norapsEurp
-r--r--r--	1	sysadmin	COE	39	Feb	24	22:21	x_retrReg_subID
-r--r--r--	1	sysadmin	COE	38	Feb	24	22:21	x_retrReg_ctrlID

MAGRID/Integ/TestSuite/TESTDATA/UPDATE:

total	10							
-r--r--r--	1	sysadmin	COE	44	Feb	24	22:21	X_update_ds
-r--r--r--	1	sysadmin	COE	51	Feb	24	22:21	X_update_bs
-r--r--r--	1	sysadmin	COE	57	Feb	24	22:21	X_update_ri
-r--r--r--	1	sysadmin	COE	55	Feb	24	22:21	update2
-r--r--r--	1	sysadmin	COE	55	Feb	24	22:21	update

MAGRID/Integ/TestSuite/TESTDATA/REG:

total	36							
-r--r--r--	1	sysadmin	COE	341	Feb	24	22:21	reg_modas_io
-r--r--r--	1	sysadmin	COE	340	Feb	24	22:21	reg_modas_conus
-r--r--r--	1	sysadmin	COE	318	Feb	24	22:21	reg_norapsBosnia_sphere2
-r--r--r--	1	sysadmin	COE	306	Feb	24	22:21	reg_norapsBosnia_sphere
-r--r--r--	1	sysadmin	COE	317	Feb	24	22:21	reg_new_polar
-r--r--r--	1	sysadmin	COE	314	Feb	24	22:21	X_reg_sm
-r--r--r--	1	sysadmin	COE	354	Feb	24	22:21	reg_new_lambert
-r--r--r--	1	sysadmin	COE	317	Feb	24	22:21	X_reg_regy
-r--r--r--	1	sysadmin	COE	343	Feb	24	22:21	reg_new_mercator
-r--r--r--	1	sysadmin	COE	314	Feb	24	22:21	X_reg_res
-r--r--r--	1	sysadmin	COE	317	Feb	24	22:21	X_reg_proj
-r--r--r--	1	sysadmin	COE	313	Feb	24	22:21	X_reg_regex
-r--r--r--	1	sysadmin	COE	313	Feb	24	22:21	X_reg_lat
-r--r--r--	1	sysadmin	COE	315	Feb	24	22:21	X_reg_lon
-r--r--r--	1	sysadmin	COE	313	Feb	24	22:21	X_reg_YRes
-r--r--r--	1	sysadmin	COE	313	Feb	24	22:21	X_reg_XRes
-r--r--r--	1	sysadmin	COE	290	Feb	24	22:21	X_reg_YPts
-r--r--r--	1	sysadmin	COE	314	Feb	24	22:21	X_reg_XPts

MAGRID/Integ/TestSuite/TESTDATA/GET_BY_ID:

```
total 44
-r--r--- 1 sysadmin COE      250 Feb 24 22:21 getId_lambert_mercator
-r--r--- 1 sysadmin COE      250 Feb 24 22:21 getId_Conus_polar
-r--r--- 1 sysadmin COE      250 Feb 24 22:21 getId_lambert_polar
-r--r--- 1 sysadmin COE      250 Feb 24 22:21 getId_Conus_lambert
-r--r--- 1 sysadmin COE      250 Feb 24 22:21 getId_Conus_Mercator
-r--r--- 1 sysadmin COE      252 Feb 24 22:21 getId_norapsNoCal_convert
-r--r--- 1 sysadmin COE      244 Feb 24 22:21 getId_norapsInd0_convert
-r--r--- 1 sysadmin COE      251 Feb 24 22:21 getId_lamToSph
-r--r--- 1 sysadmin COE      213 Feb 24 22:21 X_getId_ELon
-r--r--- 1 sysadmin COE      208 Feb 24 22:21 X_getId_DSN
-r--r--- 1 sysadmin COE      250 Feb 24 22:21 getId_lamtolam
-r--r--- 1 sysadmin COE      206 Feb 24 22:21 X_getId_0Pts
-r--r--- 1 sysadmin COE      251 Feb 24 22:21 getId_norapsConus_convert
-r--r--- 1 sysadmin COE      211 Feb 24 22:21 X_getId_Proj
-r--r--- 1 sysadmin COE      215 Feb 24 22:21 X_getId_RecID
-r--r--- 1 sysadmin COE      216 Feb 24 22:21 X_getId_SLat
-r--r--- 1 sysadmin COE      213 Feb 24 22:21 X_getId_NLat
-r--r--- 1 sysadmin COE      209 Feb 24 22:21 X_getId_SM
-r--r--- 1 sysadmin COE      209 Feb 24 22:21 X_getId_UI
-r--r--- 1 sysadmin COE      216 Feb 24 22:21 X_getId_WLon
-r--r--- 1 sysadmin COE      209 Feb 24 22:21 X_getId_XPts
-r--r--- 1 sysadmin COE      210 Feb 24 22:21 X_getId_YPts
```

MAGRID/Integ/TestSuite/TESTDATA/DELETE:

```
total 8
-r--r--- 1 sysadmin COE      42 Feb 24 22:21 delete_modas_dataset
-r--r--- 1 sysadmin COE     148 Feb 24 22:21 x_delete_id
-r--r--- 1 sysadmin COE      42 Feb 24 22:21 del_id_1
-r--r--- 1 sysadmin COE      37 Feb 24 22:21 del_norapsBosnia
```

MAGRID/Integ/TestSuite/TESTDATA/GETBYQY:

```
total 52
-r--r--- 1 sysadmin COE      538 Feb 24 22:21 get_recptTime
-r--r--- 1 sysadmin COE      571 Feb 24 22:21 get_recptOnly
-r--r--- 1 sysadmin COE      532 Feb 24 22:21 get_DescAndComp
-r--r--- 1 sysadmin COE      562 Feb 24 22:21 get_compOnly
-r--r--- 1 sysadmin COE      515 Feb 24 22:21 get_nogaps1deg
-r--r--- 1 sysadmin COE      531 Feb 24 22:21 get_param_lvl_ll_y2k_mercator
-r--r--- 1 sysadmin COE      514 Feb 24 22:21 get_unitconv30
-r--r--- 1 sysadmin COE      515 Feb 24 22:21 get_unitconv490
-r--r--- 1 sysadmin COE      531 Feb 24 22:21 get_param_lvl_ll_y2k_polar
-r--r--- 1 sysadmin COE      509 Feb 24 22:21 getbq_all_wild
-r--r--- 1 sysadmin COE      517 Feb 24 22:21 get_gridId_ll_convertParam
-r--r--- 1 sysadmin COE      532 Feb 24 22:21 get_param_lvl_ll_y2k
-r--r--- 1 sysadmin COE      524 Feb 24 22:21 get_procId_lvl_ll_convertParam
-r--r--- 1 sysadmin COE      530 Feb 24 22:21 get_procId_gridId_ll_time
-r--r--- 1 sysadmin COE      531 Feb 24 22:21 get_param_lvl_ll_y2k_lambert
-r--r--- 1 sysadmin COE      531 Feb 24 22:21 get_procId_gridId_time_tau_ll_y2k
-r--r--- 1 sysadmin COE      474 Feb 24 22:21 x_gbq_ll
-r--r--- 1 sysadmin COE      478 Feb 24 22:21 x_gbq_maxPts
-r--r--- 1 sysadmin COE      472 Feb 24 22:21 x_gbq_maxXpt
-r--r--- 1 sysadmin COE      485 Feb 24 22:21 x_gbq_maxYpt
-r--r--- 1 sysadmin COE      511 Feb 24 22:21 get_ctrlID
-r--r--- 1 sysadmin COE      474 Feb 24 22:21 x_gbq_outFmt
-r--r--- 1 sysadmin COE      476 Feb 24 22:21 x_gbq_scan
-r--r--- 1 sysadmin COE      475 Feb 24 22:21 x_gbq_proj
-r--r--- 1 sysadmin COE      512 Feb 24 22:21 get_subID
-r--r--- 1 sysadmin COE      473 Feb 24 22:21 x_gbq_uid
```

MAGRID/Integ/TestSuite/TESTDATA/CAT_2D:

```
total 46
-r--r--- 1 sysadmin COE      435 Feb 24 22:21 cat_crossover
-r--r--- 1 sysadmin COE      422 Feb 24 22:21 cat_half-world_param_time
-r--r--- 1 sysadmin COE      426 Feb 24 22:21 cat_ind0_tau_lvl_y2k
-r--r--- 1 sysadmin COE      426 Feb 24 22:21 cat_gsowm_world
-r--r--- 1 sysadmin COE      422 Feb 24 22:21 cat_asia_tau_param
-r--r--- 1 sysadmin COE      423 Feb 24 22:21 cat_goxm_param_lvl_time
-r--r--- 1 sysadmin COE      436 Feb 24 22:21 cat_eurp_tau_param
-r--r--- 1 sysadmin COE      273 Feb 24 22:21 x_cat_time
-r--r--- 1 sysadmin COE      274 Feb 24 22:21 x_cat_parmID
-r--r--- 1 sysadmin COE      273 Feb 24 22:21 x_cat_slat
-r--r--- 1 sysadmin COE      274 Feb 24 22:21 x_cat_wlon
-r--r--- 1 sysadmin COE      278 Feb 24 22:21 x_cat_subID
-r--r--- 1 sysadmin COE      438 Feb 24 22:21 cat_all_wild
-r--r--- 1 sysadmin COE      273 Feb 24 22:21 x_cat_tau
-r--r--- 1 sysadmin COE      275 Feb 24 22:21 x_cat_modelID
-r--r--- 1 sysadmin COE      273 Feb 24 22:21 x_cat_lvlType
-r--r--- 1 sysadmin COE      269 Feb 24 22:21 x_cat_lvl
-r--r--- 1 sysadmin COE      274 Feb 24 22:21 x_cat_nlat
-r--r--- 1 sysadmin COE      273 Feb 24 22:21 x_cat_ll
-r--r--- 1 sysadmin COE      273 Feb 24 22:21 x_cat_elon
-r--r--- 1 sysadmin COE      276 Feb 24 22:21 x_cat_gID
-r--r--- 1 sysadmin COE      277 Feb 24 22:21 x_cat_ctrlID
-r--r--- 1 sysadmin COE      273 Feb 24 22:21 x_cat_btime
```

MAGRID/Integ/TestSuite/TESTDATA/STORE:

```
total 56
-r--r--- 1 sysadmin COE      303 Feb 24 22:21 st_crossover
-r--r--- 1 sysadmin COE      300 Feb 24 22:21 st_pt_compare
-r--r--- 1 sysadmin COE      305 Feb 24 22:21 st_unit870
-r--r--- 1 sysadmin COE      304 Feb 24 22:21 st_unit31
-r--r--- 1 sysadmin COE      306 Feb 24 22:21 st_norapsSoCal
-r--r--- 1 sysadmin COE      306 Feb 24 22:21 st_norapsInd0_y2k
-r--r--- 1 sysadmin COE      303 Feb 24 22:21 st_lambert
-r--r--- 1 sysadmin COE      309 Feb 24 22:21 st_norapsEurp_y2k
-r--r--- 1 sysadmin COE      308 Feb 24 22:21 st_norapsConus
-r--r--- 1 sysadmin COE      306 Feb 24 22:21 st_norapsBosnia_99
-r--r--- 1 sysadmin COE      305 Feb 24 22:21 st_norapsAsia
-r--r--- 1 sysadmin COE      308 Feb 24 22:21 st_global_strat01_y2k
-r--r--- 1 sysadmin COE      308 Feb 24 22:21 st_global_tops
-r--r--- 1 sysadmin COE      303 Feb 24 22:21 st_global_otis_99
-r--r--- 1 sysadmin COE      305 Feb 24 22:21 st_global_tropo
-r--r--- 1 sysadmin COE      308 Feb 24 22:21 st_global_uanova
-r--r--- 1 sysadmin COE      308 Feb 24 22:21 st_global_tyan_99
-r--r--- 1 sysadmin COE      311 Feb 24 22:21 st_global_nmcldeg
-r--r--- 1 sysadmin COE      304 Feb 24 22:21 st_global_gsowm
-r--r--- 1 sysadmin COE      305 Feb 24 22:21 st_global_goxm
-r--r--- 1 sysadmin COE      306 Feb 24 22:21 st_global_eots_99
-r--r--- 1 sysadmin COE      305 Feb 24 22:21 st_global_nogaps1deg_y2k
-r--r--- 1 sysadmin COE      309 Feb 24 22:21 st_global_ecmfwf1deg
-r--r--- 1 sysadmin COE      306 Feb 24 22:21 st_nogaps_frz_lvl
-r--r--- 1 sysadmin COE      306 Feb 24 22:21 st_nogaps_fog_prob
-r--r--- 1 sysadmin COE      306 Feb 24 22:21 st_nogaps_frnt_anls
-r--r--- 1 sysadmin COE      305 Feb 24 22:21 st_gsowm_prm_wav_hgt
-r--r--- 1 sysadmin COE      287 Feb 24 22:21 X_st_nogaps_parm900
```

MAGRID/lib:

```
total 7680
-r--r--- 1 sysadmin COE 827562 Feb 24 22:21 libMAGRIDUtils.a
-r--r--- 1 sysadmin COE 1589464 Feb 24 22:21 libMAGRIDKernel.a
-r--r--- 1 sysadmin COE 1469234 Feb 24 22:21 libMAGRIDAPI.a
```

MAGRID/bin:

```
total 1232
-r-xr-xr-x 1 sysadmin COE 143544 Feb 24 22:21 libMAGRIDUtils.sl
-r-xr-xr-x 1 sysadmin COE 258441 Feb 24 22:21 libMAGRIDKernel.sl
-r-xr-xr-x 1 sysadmin COE 192801 Feb 24 22:21 libMAGRIDAPI.sl
```

MAGRID/include:

```
total 118
-r--r--- 1 sysadmin COE 9369 Feb 24 22:20 MAGRIDAPIPROTO.h
-r--r--- 1 sysadmin COE 706 Feb 24 22:20 MAGRIDAPIDef.h
-r--r--- 1 sysadmin COE 1568 Feb 24 22:20 MAGRIDRet.h
-r--r--- 1 sysadmin COE 931 Feb 24 22:20 MAGRIDdebugProto.h
-r--r--- 1 sysadmin COE 286 Feb 24 22:20 MAGRIDAPIExp.h
-r--r--- 1 sysadmin COE 1159 Feb 24 22:20 MAGRIDoldModel.h
-r--r--- 1 sysadmin COE 7258 Feb 24 22:20 MAGRIDErr.h
-r--r--- 1 sysadmin COE 34276 Feb 24 22:20 MAGRIDAPI.h
```

MAGRID/man:

```
total 4
drwxrwxr-x 2 sysadmin COE 2048 Feb 25 20:28 man3
```

MAGRID/man/man3:

```
total 250
-r--r--- 1 sysadmin COE 2636 Feb 24 22:21 MAGRIDDeleteRegistration.3
-r--r--- 1 sysadmin COE 2268 Feb 24 22:21 MAGRIDUpdateRegistration.3
-r--r--- 1 sysadmin COE 2268 Feb 24 22:21 MAGRIDAddRegistration.3
-r--r--- 1 sysadmin COE 2142 Feb 24 22:20 MAGRIDUpdateCenter.3
-r--r--- 1 sysadmin COE 2000 Feb 24 22:20 MAGRIDAddCenter.3
-r--r--- 1 sysadmin COE 2719 Feb 24 22:20 MAGRIDDeleteParameter.3
-r--r--- 1 sysadmin COE 2572 Feb 24 22:20 MAGRIDUpdateParameter.3
-r--r--- 1 sysadmin COE 2326 Feb 24 22:20 MAGRIDDeleteCenter.3
-r--r--- 1 sysadmin COE 2596 Feb 24 22:20 MAGRIDAddParameter.3
-r--r--- 1 sysadmin COE 2342 Feb 24 22:20 MAGRIDUpdateModel.3
-r--r--- 1 sysadmin COE 2081 Feb 24 22:20 MAGRIDAddModel.3
-r--r--- 1 sysadmin COE 2527 Feb 24 22:20 MAGRIDDeleteModel.3
-r--r--- 1 sysadmin COE 3126 Feb 24 22:20 MAGRIDGetDataSet.3
-r--r--- 1 sysadmin COE 2594 Feb 24 22:20 MAGRIDGetPoint.3
-r--r--- 1 sysadmin COE 2717 Feb 24 22:20 MAGRIDGetUnitsInfo.3
-r--r--- 1 sysadmin COE 3599 Feb 24 22:20 MAGRIDGetParametersInfo.3
-r--r--- 1 sysadmin COE 3169 Feb 24 22:20 MAGRIDGetModelsInfo.3
-r--r--- 1 sysadmin COE 2262 Feb 24 22:20 MAGRIDGetVolumePtr.3
-r--r--- 1 sysadmin COE 2603 Feb 24 22:20 MAGRIDVerifyModel.3
-r--r--- 1 sysadmin COE 2866 Feb 24 22:20 MAGRIDGetCentersInfo.3
-r--r--- 1 sysadmin COE 2802 Feb 24 22:20 MAGRIDUpdateByID.3
-r--r--- 1 sysadmin COE 2755 Feb 24 22:20 MAGRIDRetrRegistration.3
-r--r--- 1 sysadmin COE 2051 Feb 24 22:20 MAGRIDRemoteDisconnect.3
-r--r--- 1 sysadmin COE 2045 Feb 24 22:20 MAGRIDSetConnection.3
-r--r--- 1 sysadmin COE 2438 Feb 24 22:20 MAGRIDRegisterModel.3
-r--r--- 1 sysadmin COE 2585 Feb 24 22:20 MAGRIDRemoteConnect.3
-r--r--- 1 sysadmin COE 2596 Feb 24 22:20 MAGRIDGetTrack.3
-r--r--- 1 sysadmin COE 3009 Feb 24 22:20 MAGRIDGetSliceByID.3
-r--r--- 1 sysadmin COE 2822 Feb 24 22:20 MAGRIDGetProfileByID.3
-r--r--- 1 sysadmin COE 3903 Feb 24 22:20 MAGRIDGet2DByQuery.3
-r--r--- 1 sysadmin COE 2851 Feb 24 22:20 MAGRIDGetVolumeByID.3
-r--r--- 1 sysadmin COE 3563 Feb 24 22:20 MAGRIDGet2DByID.3
```

```
-r--r---r-- 1 sysadmin COE      1740 Feb 24 22:20 MAGRIDDisconnect.3
-r--r---r-- 1 sysadmin COE      2443 Feb 24 22:20 MAGRIDDeleteByQuery.3
-r--r---r-- 1 sysadmin COE      2665 Feb 24 22:20 MAGRIDDeleteByID.3
-r--r---r-- 1 sysadmin COE      1696 Feb 24 22:20 MAGRIDFreeLL.3
-r--r---r-- 1 sysadmin COE      1795 Feb 24 22:20 MAGRIDConnect.3
-r--r---r-- 1 sysadmin COE      2341 Feb 24 22:20 MAGRID3DIngest.3
-r--r---r-- 1 sysadmin COE      3340 Feb 24 22:20 MAGRID3DCatalog.3
-r--r---r-- 1 sysadmin COE      2565 Feb 24 22:20 MAGRID2DIngest.3
-r--r---r-- 1 sysadmin COE      4049 Feb 24 22:20 MAGRID2DCatalog.3
```

MAGRID/Scripts:
total 0

MAGRID/data:
total 0

This page intentionally left blank.

A.2 File Structure for Windows NT Delivery

```
total 26
-rw-r--r-- 1 0 everyone 53113 Feb 26 12:24 MAGRID.isu
drwxr-xr-x 10 0 everyone 0 Feb 26 12:17 include
drwxr-xr-x 3 0 everyone 0 Feb 26 12:17 man
drwxr-xr-x 5 0 everyone 0 Feb 26 12:16 lib
drwxr-xr-x 8 0 everyone 0 Feb 26 12:16 bin
drwxr-xr-x 8 0 everyone 0 Feb 26 12:16 SegDescrip
drwxr-xr-x 3 0 everyone 0 Jan 28 12:42 Integ

MAGRID/include:
total 31
-rw-r--r-- 1 0 everyone 34276 Feb 19 08:53 MAGRIDAPI.h
-rw-r--r-- 1 0 everyone 931 Jan 21 09:36 MAGRIDdebugProto.h
-rw-r--r-- 1 0 everyone 9369 Jan 6 13:12 MAGRIDAPIProto.h
-rw-r--r-- 1 0 everyone 7258 Jan 6 13:12 MAGRIDErr.h
-rw-r--r-- 1 0 everyone 706 Aug 3 1998 MAGRIDAPIDef.h
-rw-r--r-- 1 0 everyone 1159 Aug 3 1998 MAGRIDoldModel.h
-rw-r--r-- 1 0 everyone 1568 Apr 10 1998 MAGRIDRet.h
-rw-r--r-- 1 0 everyone 286 Mar 30 1998 MAGRIDAPIExp.h

MAGRID/man:
total 0
drwxr-xr-x 7 0 everyone 0 Feb 26 12:17 man3

MAGRID/man/man3:
total 10
-rw-r--r-- 1 0 everyone 2717 Jan 13 09:35 MAGRIDGetUnitsInfo.3
-rw-r--r-- 1 0 everyone 2594 Jan 13 09:34 MAGRIDGetPoint.3
-rw-r--r-- 1 0 everyone 3599 Jan 13 09:34 MAGRIDGetParametersInfo.3
-rw-r--r-- 1 0 everyone 2866 Jan 13 09:34 MAGRIDGetCentersInfo.3
-rw-r--r-- 1 0 everyone 3169 Jan 13 09:34 MAGRIDGetModelsInfo.3

MAGRID/lib:
total 292
-rw-r--r-- 1 0 everyone 177594 Feb 25 13:46 MAGRIDAPI.lib
-rw-r--r-- 1 0 everyone 285580 Feb 25 13:45 MAGRIDKernel.lib
-rw-r--r-- 1 0 everyone 132676 Feb 25 13:44 MAGRIDUtils.lib

MAGRID/bin:
total 240
-rw-r--r-- 1 0 everyone 44186 Feb 25 13:46 MAGRIDAPI.lib
-rw-r--r-- 1 0 everyone 108032 Feb 25 13:46 MAGRIDAPI.dll
-rw-r--r-- 1 0 everyone 160768 Feb 25 13:45 MAGRIDKernel.dll
-rw-r--r-- 1 0 everyone 60106 Feb 25 13:45 MAGRIDKernel.lib
-rw-r--r-- 1 0 everyone 31960 Feb 25 13:44 MAGRIDUtils.lib
-rw-r--r-- 1 0 everyone 80896 Feb 25 13:44 MAGRIDUtils.dll

MAGRID/SegDescrip:
total 6
-rw-r--r-- 1 0 everyone 183 Feb 25 13:01 VERSION.txt
-rw-r--r-- 1 0 everyone 1004 Feb 24 16:19 ReleaseNotes.txt
-rw-r--r-- 1 0 everyone 546 Jun 17 1998 SegName.txt
-rw-r--r-- 1 0 everyone 281 Jun 11 1998 SegInfo.txt
-rwrxr-xr-x 1 0 everyone 185 May 13 1998 DEINSTALL.bat
-rwrxr-xr-x 1 0 everyone 299 May 13 1998 PostInstall.bat
```

MAGRID/Integ:

total 0								
drwxr-xr-x	59	0	everyone	0	Jan 28	12:42	TestSuite	

MAGRID/Integ/TestSuite:

total 4209								
drwxr-xr-x	27	0	everyone	0	Feb 26	12:24	TestData	
-rwxr-xr-x	1	0	everyone	292772	Feb 25	14:01	MAGRIDtestRegTable_l.exe	
-rwxr-xr-x	1	0	everyone	287892	Feb 25	14:01	MAGRIDtestParamTable_l.exe	
-rwxr-xr-x	1	0	everyone	287180	Feb 25	14:01	MAGRIDtestModelTable_l.exe	
-rwxr-xr-x	1	0	everyone	287108	Feb 25	14:00	MAGRIDtestCenterTable_l.exe	
-rwxr-xr-x	1	0	everyone	60956	Feb 25	14:00	MAGRIDtestRegTable_d.exe	
-rwxr-xr-x	1	0	everyone	56088	Feb 25	14:00	MAGRIDtestParamTable_d.exe	
-rwxr-xr-x	1	0	everyone	54328	Feb 25	13:59	MAGRIDtestModelTable_d.exe	
-rwxr-xr-x	1	0	everyone	54780	Feb 25	13:59	MAGRIDtestCenterTable_d.exe	
-rwxr-xr-x	1	0	everyone	219996	Feb 25	13:59	MAGRIDtestBrowse_l.exe	
-rwxr-xr-x	1	0	everyone	58680	Feb 25	13:59	MAGRIDtestBrowse_d.exe	
-rwxr-xr-x	1	0	everyone	151384	Feb 25	13:58	MAGRIDtestDataSet_l.exe	
-rwxr-xr-x	1	0	everyone	169788	Feb 25	13:58	MAGRIDtestCenters_l.exe	
-rwxr-xr-x	1	0	everyone	169628	Feb 25	13:58	MAGRIDtestUnits_l.exe	
-rwxr-xr-x	1	0	everyone	170628	Feb 25	13:57	MAGRIDtestParams_l.exe	
-rwxr-xr-x	1	0	everyone	170584	Feb 25	13:57	MAGRIDtestModels_l.exe	
-rwxr-xr-x	1	0	everyone	55008	Feb 25	13:57	MAGRIDtestDataSet_d.exe	
-rwxr-xr-x	1	0	everyone	53796	Feb 25	13:56	MAGRIDtestCenters_d.exe	
-rwxr-xr-x	1	0	everyone	53660	Feb 25	13:56	MAGRIDtestUnits_d.exe	
-rwxr-xr-x	1	0	everyone	54644	Feb 25	13:56	MAGRIDtestParams_d.exe	
-rwxr-xr-x	1	0	everyone	54592	Feb 25	13:56	MAGRIDtestModels_d.exe	
-rwxr-xr-x	1	0	everyone	274748	Feb 25	13:56	MAGRIDtestUpdateByID_l.exe	
-rwxr-xr-x	1	0	everyone	53728	Feb 25	13:55	MAGRIDtestUpdateByID_d.exe	
-rwxr-xr-x	1	0	everyone	293672	Feb 25	13:55	MAGRIDtestReg_l.exe	
-rwxr-xr-x	1	0	everyone	60264	Feb 25	13:55	MAGRIDtestReg_d.exe	
-rwxr-xr-x	1	0	everyone	307712	Feb 25	13:54	MAGRIDtestIngestEof_l.exe	
-rwxr-xr-x	1	0	everyone	195164	Feb 25	13:54	MAGRIDtestStore3D_l.exe	
-rwxr-xr-x	1	0	everyone	67040	Feb 25	13:54	MAGRIDtestIngestEof_d.exe	
-rwxr-xr-x	1	0	everyone	59768	Feb 25	13:54	MAGRIDtestStore3D_d.exe	
-rwxr-xr-x	1	0	everyone	256480	Feb 25	13:53	MAGRIDtestGetTrack_l.exe	
-rwxr-xr-x	1	0	everyone	228904	Feb 25	13:53	MAGRIDtestGetSlice_l.exe	
-rwxr-xr-x	1	0	everyone	226620	Feb 25	13:53	MAGRIDtestGetVolume_l.exe	
-rwxr-xr-x	1	0	everyone	224716	Feb 25	13:52	MAGRIDtestProfile_l.exe	
-rwxr-xr-x	1	0	everyone	175984	Feb 25	13:52	MAGRIDtest3DCatalog_l.exe	
-rwxr-xr-x	1	0	everyone	60292	Feb 25	13:52	MAGRIDtestGetTrack_d.exe	
-rwxr-xr-x	1	0	everyone	60688	Feb 25	13:51	MAGRIDtestGetSlice_d.exe	
-rwxr-xr-x	1	0	everyone	61792	Feb 25	13:51	MAGRIDtestGetVolume_d.exe	
-rwxr-xr-x	1	0	everyone	56556	Feb 25	13:51	MAGRIDtestProfile_d.exe	
-rwxr-xr-x	1	0	everyone	62080	Feb 25	13:51	MAGRIDtest3DCatalog_d.exe	
-rwxr-xr-x	1	0	everyone	197940	Feb 25	13:50	MAGRIDtestDeleteByQuery_l.exe	
-rwxr-xr-x	1	0	everyone	337816	Feb 25	13:50	MAGRIDtestDelete_l.exe	
-rwxr-xr-x	1	0	everyone	57916	Feb 25	13:50	MAGRIDtestDeleteByQuery_d.exe	
-rwxr-xr-x	1	0	everyone	53496	Feb 25	13:50	MAGRIDtestDelete_d.exe	
-rwxr-xr-x	1	0	everyone	327336	Feb 25	13:49	MAGRIDtestGetPoint_l.exe	
-rwxr-xr-x	1	0	everyone	290192	Feb 25	13:49	MAGRIDtestRetrReg_l.exe	
-rwxr-xr-x	1	0	everyone	351004	Feb 25	13:49	MAGRIDtestGetByQuery_l.exe	
-rwxr-xr-x	1	0	everyone	345216	Feb 25	13:48	MAGRIDtestGetByID_l.exe	
-rwxr-xr-x	1	0	everyone	346776	Feb 25	13:48	MAGRIDtest2DCatalog_l.exe	
-rwxr-xr-x	1	0	everyone	57236	Feb 25	13:48	MAGRIDtestGetPoint_d.exe	
-rwxr-xr-x	1	0	everyone	57120	Feb 25	13:47	MAGRIDtestRetrReg_d.exe	
-rwxr-xr-x	1	0	everyone	66928	Feb 25	13:47	MAGRIDtestGetByQuery_d.exe	
-rwxr-xr-x	1	0	everyone	60320	Feb 25	13:47	MAGRIDtestGetByID_d.exe	
-rwxr-xr-x	1	0	everyone	62704	Feb 25	13:47	MAGRIDtest2DCatalog_d.exe	
-rwxr-xr-x	1	0	everyone	342684	Feb 25	13:47	MAGRIDtestStore_l.exe	
-rwxr-xr-x	1	0	everyone	59076	Feb 25	13:46	MAGRIDtestStore_d.exe	

```
-rw-r--r-- 1 0 everyone 58440 Jan 28 14:01 GridVol_GFD0
-rw-r--r-- 1 0 everyone 4771 May 18 1998 MAGRID_TEST.README
```

MAGRID/Integ/TestSuite/TestData:

```
total 0
drwxr-xr-x 3 0 everyone 0 Feb 26 12:24 EOF
drwxr-xr-x 7 0 everyone 0 Feb 26 12:24 update
drwxr-xr-x 3 0 everyone 0 Feb 26 12:24 dyn_reg2
drwxr-xr-x 3 0 everyone 0 Feb 26 12:24 dyn_reg3
drwxr-xr-x 3 0 everyone 0 Feb 26 12:24 dyn_reg4
drwxr-xr-x 7 0 everyone 0 Feb 26 12:24 Point
drwxr-xr-x 9 0 everyone 0 Feb 26 12:24 deletebyqy
drwxr-xr-x 16 0 everyone 0 Feb 26 12:24 get_volume
drwxr-xr-x 26 0 everyone 0 Feb 26 12:24 getbyqy
drwxr-xr-x 9 0 everyone 0 Feb 26 12:24 profile
drwxr-xr-x 20 0 everyone 0 Feb 26 12:24 reg
drwxr-xr-x 10 0 everyone 0 Feb 26 12:24 retrreg
drwxr-xr-x 30 0 everyone 0 Feb 26 12:24 store
drwxr-xr-x 6 0 everyone 0 Feb 26 12:24 store_3d
drwxr-xr-x 16 0 everyone 0 Feb 26 12:24 slice
drwxr-xr-x 6 0 everyone 0 Feb 26 12:24 units
drwxr-xr-x 6 0 everyone 0 Feb 26 12:24 models
drwxr-xr-x 6 0 everyone 0 Feb 26 12:24 center
drwxr-xr-x 6 0 everyone 0 Feb 26 12:24 parms
drwxr-xr-x 3 0 everyone 0 Feb 26 12:24 dyn_reg1
drwxr-xr-x 6 0 everyone 0 Feb 26 12:24 delete
drwxr-xr-x 24 0 everyone 0 Feb 26 12:24 get_by_id
drwxr-xr-x 14 0 everyone 0 Feb 26 12:24 get_track
drwxr-xr-x 8 0 everyone 0 Feb 26 12:24 cat_3d
drwxr-xr-x 25 0 everyone 0 Feb 26 12:24 cat_2d
```

MAGRID/Integ/TestSuite/TestData/EOF:

```
total 29
-rw-r--r-- 1 0 everyone 57567 Jan 22 07:47 Df361212.mes
```

MAGRID/Integ/TestSuite/TestData/update:

```
total 5
-rw-r--r-- 1 0 everyone 55 Oct 20 14:10 update
-rw-r--r-- 1 0 everyone 55 Oct 20 14:10 update2
-rw-r--r-- 1 0 everyone 57 Oct 12 15:38 X_update_ri
-rw-r--r-- 1 0 everyone 51 Oct 12 15:38 X_update_bs
-rw-r--r-- 1 0 everyone 44 Apr 16 1998 X_update_ds
```

MAGRID/Integ/TestSuite/TestData/dyn_reg2:

```
total 1
-rw-r--r-- 1 0 everyone 343 Apr 10 1998 reg_modas_socal
```

MAGRID/Integ/TestSuite/TestData/dyn_reg3:

```
total 1
-rw-r--r-- 1 0 everyone 346 Aug 10 1998 reg_crossover
```

MAGRID/Integ/TestSuite/TestData/dyn_reg4:

```
total 1
-rw-r--r-- 1 0 everyone 345 Oct 1 15:03 reg_pt_compare
```

MAGRID/Integ/TestSuite/TestData/Point:

```
total 5
-rw-r--r-- 1 0 everyone 65 Jan 21 09:26 pt5
-rw-r--r-- 1 0 everyone 63 Jan 21 09:26 pt4
-rw-r--r-- 1 0 everyone 65 Jan 21 09:26 pt2
```

```
-rw-r--r-- 1 0 everyone      65 Jan 21 09:26 pt3
-rw-r--r-- 1 0 everyone      64 Jan 21 09:26 pt1
```

MAGRID/Integ/TestSuite/TestData/deletebyqy:

```
total 7
-rw-r--r-- 1 0 everyone      181 Oct 22 09:27 delq_3d
-rw-r--r-- 1 0 everyone      185 Oct 22 09:27 delq_parm
-rw-r--r-- 1 0 everyone      187 Oct 20 14:46 delq_223
-rw-r--r-- 1 0 everyone      180 Oct 20 14:46 delq_tau
-rw-r--r-- 1 0 everyone      187 Oct 20 14:46 x_delq_GridType5
-rw-r--r-- 1 0 everyone      188 Oct 20 14:46 x_delq_Parm134201
-rw-r--r-- 1 0 everyone      187 Oct 20 14:46 x_delq_gridID290
```

MAGRID/Integ/TestSuite/TestData/get_volume:

```
total 14
-rw-r--r-- 1 0 everyone      251 Oct 12 15:38 getId_3D_conv
-rw-r--r-- 1 0 everyone      252 Oct 12 15:38 getId_3D
-rw-r--r-- 1 0 everyone      215 Oct 12 15:38 X_get_Id_3D_ELon
-rw-r--r-- 1 0 everyone      219 Oct 12 15:37 X_getId_3D_u
-rw-r--r-- 1 0 everyone      219 Oct 12 15:37 X_getId_3D_sm
-rw-r--r-- 1 0 everyone      216 Oct 12 15:37 X_getId_3D_conv
-rw-r--r-- 1 0 everyone      220 Oct 12 15:37 X_getId_3D_proj
-rw-r--r-- 1 0 everyone      225 Oct 12 15:37 X_getId_3D_YPts
-rw-r--r-- 1 0 everyone      221 Oct 12 15:37 X_getId_3D_XPts
-rw-r--r-- 1 0 everyone      220 Oct 12 15:37 X_getId_3D_RI
-rw-r--r-- 1 0 everyone      217 Oct 12 15:37 X_getId_3D_WLon
-rw-r--r-- 1 0 everyone      218 Oct 12 15:37 X_getId_3D_SLat
-rw-r--r-- 1 0 everyone      218 Oct 12 15:37 X_getId_3D_NLat
-rw-r--r-- 1 0 everyone      209 Apr 16 1998 X_getId_3D_DSN
```

MAGRID/Integ/TestSuite/TestData/getbyqy:

```
total 24
-rw-r--r-- 1 0 everyone      515 Oct 12 15:38 get_unitconv490
-rw-r--r-- 1 0 everyone      509 Oct 12 15:38 getbq_all_wild
-rw-r--r-- 1 0 everyone      514 Oct 12 15:38 get_unitconv30
-rw-r--r-- 1 0 everyone      538 Oct 12 15:38 get_recptTime
-rw-r--r-- 1 0 everyone      531 Oct 12 15:38 get_procId_gridId_time_tau_ll_y2k
-rw-r--r-- 1 0 everyone      571 Oct 12 15:38 get_recptOnly
-rw-r--r-- 1 0 everyone      524 Oct 12 15:38 get_procId_lvl_ll_convertParam
-rw-r--r-- 1 0 everyone      531 Oct 12 15:38 get_param_lvl_ll_y2k_polar
-rw-r--r-- 1 0 everyone      530 Oct 12 15:38 get_procId_gridId_ll_time
-rw-r--r-- 1 0 everyone      531 Oct 12 15:38 get_param_lvl_ll_y2k_lambert
-rw-r--r-- 1 0 everyone      531 Oct 12 15:38 get_param_lvl_ll_y2k_mercator
-rw-r--r-- 1 0 everyone      515 Oct 12 15:38 get_nogaps1deg
-rw-r--r-- 1 0 everyone      532 Oct 12 15:38 get_param_lvl_ll_y2k
-rw-r--r-- 1 0 everyone      517 Oct 12 15:38 get_gridId_ll_convertParam
-rw-r--r-- 1 0 everyone      562 Oct 12 15:38 get_compOnly
-rw-r--r-- 1 0 everyone      532 Oct 12 15:38 get_DescAndComp
-rw-r--r-- 1 0 everyone      478 Sep 30 18:44 x_gbq_maxPts
-rw-r--r-- 1 0 everyone      472 Sep 30 18:44 x_gbq_maxXpt
-rw-r--r-- 1 0 everyone      474 Sep 30 18:44 x_gbq_ll
-rw-r--r-- 1 0 everyone      474 Sep 30 18:44 x_gbq_outFmt
-rw-r--r-- 1 0 everyone      485 Sep 30 18:44 x_gbq_maxYpt
-rw-r--r-- 1 0 everyone      475 Sep 30 18:44 x_gbq_proj
-rw-r--r-- 1 0 everyone      476 Sep 30 18:44 x_gbq_scan
-rw-r--r-- 1 0 everyone      473 Sep 30 18:44 x_gbq_uid
```

MAGRID/Integ/TestSuite/TestData/profile:

```
total 7
-rw-r--r-- 1 0 everyone      75 Oct 20 14:08 prof_id_equator
-rw-r--r-- 1 0 everyone      78 Oct 20 14:06 prof_id_IntdateLine
```

```
-rw-r--r-- 1 0 everyone      78 Oct 20 14:06 prof_id_pole
-rw-r--r-- 1 0 everyone      79 Oct 20 14:06 x_prof_id
-rw-r--r-- 1 0 everyone      78 Oct 20 14:06 prof_id_conus
-rw-r--r-- 1 0 everyone      78 Oct 20 14:06 x_prof_ll
-rw-r--r-- 1 0 everyone      64 Apr 17 1998 x_prof_ll_wild
```

MAGRID/Integ/TestSuite/TestData/reg:

```
total 18
-rw-r--r-- 1 0 everyone      354 Apr 17 1998 reg_new_lambert
-rw-r--r-- 1 0 everyone      343 Apr 17 1998 reg_new_mercator
-rw-r--r-- 1 0 everyone      317 Apr 17 1998 reg_new_polar
-rw-r--r-- 1 0 everyone      318 Apr 16 1998 reg_norapsBosnia_sphere2
-rw-r--r-- 1 0 everyone      314 Apr 16 1998 X_reg_sm
-rw-r--r-- 1 0 everyone      314 Apr 16 1998 X_reg_res
-rw-r--r-- 1 0 everyone      313 Apr 16 1998 X_reg_regx
-rw-r--r-- 1 0 everyone      317 Apr 16 1998 X_reg_regy
-rw-r--r-- 1 0 everyone      315 Apr 16 1998 X_reg_lon
-rw-r--r-- 1 0 everyone      317 Apr 16 1998 X_reg_proj
-rw-r--r-- 1 0 everyone      313 Apr 16 1998 X_reg_YRes
-rw-r--r-- 1 0 everyone      313 Apr 16 1998 X_reg_lat
-rw-r--r-- 1 0 everyone      313 Apr 16 1998 X_reg_XRes
-rw-r--r-- 1 0 everyone      290 Apr 16 1998 X_reg_YPts
-rw-r--r-- 1 0 everyone      314 Apr 16 1998 X_reg_XPts
-rw-r--r-- 1 0 everyone      306 Apr 10 1998 reg_norapsBosnia_sphere
-rw-r--r-- 1 0 everyone      341 Apr 10 1998 reg_modas_io
-rw-r--r-- 1 0 everyone      340 Apr 10 1998 reg_modas_conus
```

MAGRID/Integ/TestSuite/TestData/retrreg:

```
total 8
-rw-r--r-- 1 0 everyone      37 Apr 16 1998 x_retrReg_gID
-rw-r--r-- 1 0 everyone      39 Apr 16 1998 x_retrReg_subID
-rw-r--r-- 1 0 everyone      38 Apr 16 1998 x_retrReg_ctrlID
-rw-r--r-- 1 0 everyone      37 Apr 10 1998 retrReg_norapsEurp
-rw-r--r-- 1 0 everyone      41 Apr 10 1998 retrReg_nogaps
-rw-r--r-- 1 0 everyone      37 Apr 10 1998 retrReg_norapsConus
-rw-r--r-- 1 0 everyone      44 Apr 10 1998 retrReg_gridId
-rw-r--r-- 1 0 everyone      46 Apr 10 1998 retrReg_allWild
```

MAGRID/Integ/TestSuite/TestData/store:

```
total 28
-rw-r--r-- 1 0 everyone      300 Oct 12 15:38 st_pt_compare
-rw-r--r-- 1 0 everyone      304 Sep 25 15:18 st_unit31
-rw-r--r-- 1 0 everyone      305 Sep 25 15:18 st_unit870
-rw-r--r-- 1 0 everyone      306 Sep 25 15:18 st_norapsSoCal
-rw-r--r-- 1 0 everyone      308 Sep 25 15:18 st_norapsConus
-rw-r--r-- 1 0 everyone      306 Sep 25 15:18 st_norapsIndO_y2k
-rw-r--r-- 1 0 everyone      309 Sep 25 15:18 st_norapsEurp_y2k
-rw-r--r-- 1 0 everyone      306 Sep 25 15:18 st_norapsBosnia_99
-rw-r--r-- 1 0 everyone      305 Sep 25 15:18 st_norapsAsia
-rw-r--r-- 1 0 everyone      306 Sep 25 15:18 st_nogaps_frz_lvl
-rw-r--r-- 1 0 everyone      306 Sep 25 15:18 st_nogaps_frnt_anls
-rw-r--r-- 1 0 everyone      306 Sep 25 15:18 st_nogaps_fog_prob
-rw-r--r-- 1 0 everyone      303 Sep 25 15:18 st_lambert
-rw-r--r-- 1 0 everyone      305 Sep 25 15:18 st_gsowm_prm_wav_hgt
-rw-r--r-- 1 0 everyone      308 Sep 25 15:18 st_global_tyan_99
-rw-r--r-- 1 0 everyone      308 Sep 25 15:18 st_global_uanva
-rw-r--r-- 1 0 everyone      305 Sep 25 15:18 st_global_tropo
-rw-r--r-- 1 0 everyone      308 Sep 25 15:18 st_global_tops
-rw-r--r-- 1 0 everyone      303 Sep 25 15:18 st_global_otis_99
-rw-r--r-- 1 0 everyone      308 Sep 25 15:18 st_global_stratoi_y2k
-rw-r--r-- 1 0 everyone      305 Sep 25 15:18 st_global_nogaps1deg_y2k
```

```
-rw-r--r-- 1 0 everyone      311 Sep 25 15:18 st_global_nmcldeg
-rw-r--r-- 1 0 everyone      304 Sep 25 15:18 st_global_gsowm
-rw-r--r-- 1 0 everyone      305 Sep 25 15:18 st_global_goxm
-rw-r--r-- 1 0 everyone      303 Sep 25 15:17 st_crossover
-rw-r--r-- 1 0 everyone      306 Sep 25 15:17 st_global_eots_99
-rw-r--r-- 1 0 everyone      309 Sep 25 15:17 st_global_ecmwf1deg
-rw-r--r-- 1 0 everyone     287 Apr 16 1998 X_st_nogaps_parm900
```

MAGRID/Integ/TestSuite/TestData/store_3d:

```
total 4
-rw-r--r-- 1 0 everyone      964 Sep 25 15:18 st_socal
-rw-r--r-- 1 0 everyone      964 Sep 25 15:18 st_io
-rw-r--r-- 1 0 everyone      964 Sep 25 15:18 st_io2
-rw-r--r-- 1 0 everyone      964 Sep 25 15:17 st_conus
```

MAGRID/Integ/TestSuite/TestData/slice:

```
total 14
-rw-r--r-- 1 0 everyone      256 Oct 12 15:38 get_Slice
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_y
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_proj
-rw-r--r-- 1 0 everyone      222 Oct 12 15:38 X_get_Slice_sm
-rw-r--r-- 1 0 everyone      222 Oct 12 15:38 X_get_Slice_u
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_X
-rw-r--r-- 1 0 everyone      222 Oct 12 15:38 X_get_Slice_XY
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_RI
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_SLat
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_WLon
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_Lvl
-rw-r--r-- 1 0 everyone      220 Oct 12 15:38 X_get_Slice_NLat
-rw-r--r-- 1 0 everyone      221 Oct 12 15:38 X_get_Slice_ELon
-rw-r--r-- 1 0 everyone     210 Apr 17 1998 X_get_Slice_DSN
```

MAGRID/Integ/TestSuite/TestData/units:

```
total 4
-rw-r--r-- 1 0 everyone      12 Jun 5 1998 x_getBadUnit
-rw-r--r-- 1 0 everyone      10 Jun 5 1998 get51_Units
-rw-r--r-- 1 0 everyone      11 Jun 5 1998 get140_Units
-rw-r--r-- 1 0 everyone      13 Jun 5 1998 getallUnits
```

MAGRID/Integ/TestSuite/TestData/models:

```
total 4
-rw-r--r-- 1 0 everyone      57 Jun 5 1998 getall58models
-rw-r--r-- 1 0 everyone      51 Jun 5 1998 get58_0_249_nomodelid
-rw-r--r-- 1 0 everyone      60 Jun 5 1998 getallmodels
-rw-r--r-- 1 0 everyone      48 Jun 5 1998 get58_0_242_70models
```

MAGRID/Integ/TestSuite/TestData/center:

```
total 4
-rw-r--r-- 1 0 everyone      30 Jun 5 1998 get58SubCenters
-rw-r--r-- 1 0 everyone      26 Jun 5 1998 get58_0Center
-rw-r--r-- 1 0 everyone      33 Jun 5 1998 getallCenters
-rw-r--r-- 1 0 everyone      28 Jun 5 1998 x_getBadCenters
```

MAGRID/Integ/TestSuite/TestData/parms:

```
total 4
-rw-r--r-- 1 0 everyone      42 Jun 8 1998 get58_0_140parms
-rw-r--r-- 1 0 everyone      51 Jun 8 1998 getallparms
-rw-r--r-- 1 0 everyone      48 Jun 8 1998 get79parms
-rw-r--r-- 1 0 everyone      45 Jun 8 1998 getall158_1parms
```

MAGRID/Integ/TestSuite/TestData/dyn_reg1:

```
total 1
-rw-r--r-- 1 0 everyone      348 May 14 1998 reg_new_lambert2
```

MAGRID/Integ/TestSuite/TestData/delete:

```
total 4
-rw-r--r-- 1 0 everyone      148 Oct 20 14:16 x_delete_id
-rw-r--r-- 1 0 everyone       42 Oct 20 14:14 del_id_1
-rw-r--r-- 1 0 everyone       37 Oct 20 14:14 del_norapsBosnia
-rw-r--r-- 1 0 everyone       42 Oct 20 14:14 delete_modas_dataset
```

MAGRID/Integ/TestSuite/TestData/get_by_id:

```
total 22
-rw-r--r-- 1 0 everyone      250 Oct 12 15:38 getid_lamtolam
-rw-r--r-- 1 0 everyone      251 Oct 12 15:38 getid_lamToSph
-rw-r--r-- 1 0 everyone      252 Oct 12 15:38 getId_norapsNoCal_convert
-rw-r--r-- 1 0 everyone      250 Oct 12 15:38 getId_lambert_polar
-rw-r--r-- 1 0 everyone      251 Oct 12 15:38 getId_norapsConus_convert
-rw-r--r-- 1 0 everyone      244 Oct 12 15:38 getId_norapsIndO_convert
-rw-r--r-- 1 0 everyone      250 Oct 12 15:38 getId_lambert_mercator
-rw-r--r-- 1 0 everyone      250 Oct 12 15:38 getID_Conus_polar
-rw-r--r-- 1 0 everyone      250 Oct 12 15:38 getID_Conus_lambert
-rw-r--r-- 1 0 everyone      250 Oct 12 15:38 getID_Conus_Mercator
-rw-r--r-- 1 0 everyone      216 Oct 12 15:38 X_getId_SLat
-rw-r--r-- 1 0 everyone      215 Oct 12 15:38 X_getId_RecID
-rw-r--r-- 1 0 everyone      216 Oct 12 15:38 X_getId_WLon
-rw-r--r-- 1 0 everyone      213 Oct 12 15:37 X_getId_NLat
-rw-r--r-- 1 0 everyone      213 Oct 12 15:37 X_getId_ELon
-rw-r--r-- 1 0 everyone      209 Apr 16 1998 X_getId_XPts
-rw-r--r-- 1 0 everyone      210 Apr 16 1998 X_getId_YPts
-rw-r--r-- 1 0 everyone      209 Apr 16 1998 X_getId_UI
-rw-r--r-- 1 0 everyone      209 Apr 16 1998 X_getId_SM
-rw-r--r-- 1 0 everyone      211 Apr 16 1998 X_getId_Proj
-rw-r--r-- 1 0 everyone      208 Apr 16 1998 X_getId_DSN
-rw-r--r-- 1 0 everyone      206 Apr 16 1998 X_getId_OPts
```

MAGRID/Integ/TestSuite/TestData/get_track:

```
total 12
-rw-r--r-- 1 0 everyone      217 Jun  3 1998 getTrack_socal
-rw-r--r-- 1 0 everyone      216 Apr 17 1998 X_getTrack_res
-rw-r--r-- 1 0 everyone      215 Apr 17 1998 X_getTrack_gi
-rw-r--r-- 1 0 everyone      213 Apr 17 1998 X_getTrack_range
-rw-r--r-- 1 0 everyone      217 Apr 17 1998 getTrack_wc
-rw-r--r-- 1 0 everyone      216 Apr 17 1998 getTrack_gp
-rw-r--r-- 1 0 everyone      216 Apr 16 1998 getTrack_conus
-rw-r--r-- 1 0 everyone      215 Apr 16 1998 getTrack_IO
-rw-r--r-- 1 0 everyone      217 Apr 16 1998 X_getTrack_p
-rw-r--r-- 1 0 everyone      215 Apr 16 1998 X_getTrack_pc
-rw-r--r-- 1 0 everyone      215 Apr 16 1998 X_getTrack_bearing
-rw-r--r-- 1 0 everyone      215 Apr 16 1998 X_getTrack_bbt
```

MAGRID/Integ/TestSuite/TestData/cat_3d:

```
total 6
-rw-r--r-- 1 0 everyone      234 Jun  3 1998 3dcat_modid_grid_sal
-rw-r--r-- 1 0 everyone      224 Apr 16 1998 x_3dcat_modid
-rw-r--r-- 1 0 everyone      225 Apr 16 1998 x_3dcat_ll
-rw-r--r-- 1 0 everyone      235 Apr 16 1998 3dcat_wildcard
-rw-r--r-- 1 0 everyone      234 Apr 16 1998 3dcat_modid_gridid_sv
-rw-r--r-- 1 0 everyone      234 Apr 16 1998 3dcat_modid_gridid_temp
```

MAGRID/Integ/TestSuite/TestData/cat_2d:

```
total 23
-rw-r--r-- 1 0 everyone      426 Sep 25 15:17 cat_indO_tau_lvl_y2k
-rw-r--r-- 1 0 everyone      426 Sep 25 15:17 cat_gsowm_world
-rw-r--r-- 1 0 everyone      422 Sep 25 15:17 cat_half-world_param_time
-rw-r--r-- 1 0 everyone      423 Sep 25 15:17 cat_goxm_param_lvl_time
-rw-r--r-- 1 0 everyone      435 Sep 25 15:17 cat_crossover
-rw-r--r-- 1 0 everyone      422 Sep 25 15:17 cat_asia_tau_param
-rw-r--r-- 1 0 everyone      436 Sep 25 15:17 cat_eurp_tau_param
-rw-r--r-- 1 0 everyone      438 Sep 25 15:17 cat_all_wild
-rw-r--r-- 1 0 everyone      273 Apr 16 1998 x_cat_time
-rw-r--r-- 1 0 everyone      274 Apr 16 1998 x_cat_wlon
-rw-r--r-- 1 0 everyone      273 Apr 16 1998 x_cat_tau
-rw-r--r-- 1 0 everyone      278 Apr 16 1998 x_cat_subID
-rw-r--r-- 1 0 everyone      273 Apr 16 1998 x_cat_slat
-rw-r--r-- 1 0 everyone      274 Apr 16 1998 x_cat_parmID
-rw-r--r-- 1 0 everyone      274 Apr 16 1998 x_cat_nlat
-rw-r--r-- 1 0 everyone      273 Apr 16 1998 x_cat_lvlType
-rw-r--r-- 1 0 everyone      275 Apr 16 1998 x_cat_modelID
-rw-r--r-- 1 0 everyone      269 Apr 16 1998 x_cat_lvl
-rw-r--r-- 1 0 everyone      273 Apr 16 1998 x_cat_ll
-rw-r--r-- 1 0 everyone      276 Apr 16 1998 x_cat_gID
-rw-r--r-- 1 0 everyone      273 Apr 16 1998 x_cat_elon
-rw-r--r-- 1 0 everyone      273 Apr 16 1998 x_cat_btime
-rw-r--r-- 1 0 everyone      277 Apr 16 1998 x_cat_ctrlID
```

Appendix B - Changes/Updates Since Preliminary Release

Pri	PTR #	Summary
	167	Add define and explanation for “unknown” values.
	190	When a retrieval is done using “MAGRID_GET_AS_STORED,” set GRIDFIELDDESC to no projection used.
	192	Grids that cross the dateline cannot be retrieved by the catalog and getbyquery logic.
2	52	The extern C statement created by makeproto should be extern “C” with the double quotes. The quotes are missing.
2	80	Provide ability to access models table, units table, production center table, and parameter table.
2	82	NT installation tree should contain NT appropriate segment descriptor files and well as a complete NT DII COE segment tree.
2	92	DII COE requires minimal permission settings for segment directories/files.
2	305	DeleteByQuery gets into infinite loop when count = 0.
3	21	Application error occurred when retrieving incorrectly entered grid.
3	61	Simultaneous (NT/HP) ingest of 3d grids into the database results in an index error.
3	65	Extraction of Lambert Grids are not retrieved correctly when subgridding is used.
3	69	When two or more of the above modules are installed on the NT machine, only the last module installed appears.
3	70	TAU units are not consistent.

Pri	PTR #	Summary
3	84	When the drop table fails, the Directory Table should still be cleaned.
3	85	Allow user to wildcard center, subcenter, and parameter id in the query structure.
3	94	Update PM document to describe that NT applications should #define _MDBDLL macro within code.
3	127	Compatibility problem with UB Mconst.h file.
3	150	Ensure that the segment version number is listed as part of the title when using the Add/Run Programs Window.
3	176	Catalog Request is not handling single point correctly.
3	185	Add API to modify Parameter table and update dynamically.
3	189	Add an API to support lat/lon point retrieval from a previously retrieved grid.
3	196	ReceiptTime is not returned correctly following a 3D catalog retrieval.
3	199	Problems using MAGRIDGet2DbyQuery.
3	200	Add bounding box information to the GRIDFIELDDESC for 2D and 3D.
3	202	The linked list generated by the MAGRIDGetParametersInfo API is incorrect.
3	203	Add Browse API.
3	204	The bounding box coordinates for Lambert projections are not always correct.
3	211	If an onstat is done when multiple ingest are occurring, the number of DeadLocks is > 0.
3	221	Add API to modify registration table.

Pri	PTR #	Summary
3	224	Add support for a Solar Flux grid.
3	226	Error occurs when Northern Latitude is 90 on retrieval request of lambert data.
3	229	Add NWS/NCEP parameters.
3	240	DeleteByQuery fails when too many records are deleted.
3	251	Support for storing EOF 3D Grids.
3	253	Add API to modify center/subcenter table.
3	254	Add API to modify Model table.
3	255	Add API to list currently active Models, Center.
3	261	Complete format Y2K checks and testing.
3	284	Get a “Registration Mismatch” error after trying to retrieve an EOF file.
3	290	3D Catalog problem on Solaris.
3	291	Memory Leak in the Catalog Routine.
3	298	MAGRIDRegisterModel API accepting invalid projection setting.
3	299	Browse API for 3D grid does not work correctly.
3	309	Add the MAGRID prefix tag to the TGReg structure.
3	310	Allow Parameter IDs to range from 1 to 999 (to be used for non-Grib products).
3	312	Subgridding Problem: Missing Values not appearing where expected.
4	62	There is no place to specify a model name (string) in the model table.

Pri	PTR #	Summary
4	171	Address error following the freeing of blob data.
4	174	Receipt time should be represented per grid not dataset.
4	179	The maxXpoint and maxYpoint fields do not get updated following a MAGRID3DCatalog request.
4	184	Longitude ranges are sometimes represented from 0 through 360 rather than -180 through 180.
4	188	Appears to be a problem with interpolation of data points.
4	212	Add new fields to the Query structure.
4	308	Add man pages for non-public APIs.
5	83	Add Lambert projection test cases for Registration and 2D Store.
5	116	Make updates to testcases in the GET BY ID and GET BY QRY test subdirectories.
5	191	Add the ability to time ingest, getByid, and getByqy.
5	222	Retrieval format specification for lambert and polar grids should include standard latitudes/longitude.
6	165	Customer Feedback: Identify test data cases.

Appendix C - Known Problems and Errors

Pri	PTR #	Summary
2	228	Code Review results for MAGRID/MDGRID segments.
3	64	The get diagnostics informix call returns the wrong message length on the NT and a “%s” in the string on the HP-UX (But correct length). On the NT, the “%s” is expanded to the variable that it represents.
3	256	Provide support for a composite grid (NWS Grids).
3	287	MIME encode/decode support for 3D Grids.
5	286	When the updatemodels and deletemodels, and updateparams and deleteparams testdrivers are executed after the data have already been deleted, the testdriver returns a successful message.

Detailed Program Trouble Reports (PTRs) are contained on the following pages.

Program Trouble Report

Report Number: 228

Originator Information

Author:	Denise Reniere	Created:	10/21/98
Site:	NP	Employer:	
Phone:	401-849-5952 ext.3334	E-mail:	DReniere
Cross Ref#:			

System Information

Priority	Category	Type	Status
2	Problem, Enhancement	Software	Postponed

Open Systems

System	Version	Platform	Date
TESS(NC)-GRID	4.2	HPUX 1020 and NT 4.0 (both)	10/21/98

Modules: MAGRID,MDGRID

Module Functions or other Identifying Keywords:

Description of the Problem

One Line Problem Summary:
Code Review results for MAGRID/MDGRID segments

Steps Required to Duplicate the Problem:

Repeatable? Yes **Likelihood of Occurrence:**

Problem Description:

This PTR describes areas of deficiency identified during the Code Review process for the MAGRID and MDGRID segments:

Segment compliancy failure issues:

Level 4:

4-4 : The segment successfully passes VerifySeg with no errors. Warnings are acceptable but the reason for them must be documented in the IntegNotes file. (we have no errors but are not documenting the warnings)

Level 5:

5-14: (NT) The segment creates all its subkeys underneath SegType\SegDirName where SegType is Account Groups, COE, COTS, Patches, Data, or Software, and SegDirName is the segment's directory name. The MAGRID segment is underneath an IPD registry key as opposed to a Software key.

5-16: (NT) All segment subkeys are named with the segment prefix. MAGRID ha a subkey folder named 4.2.0.0.

5-5, 5-26,5-27,5-28,5-30, 5-34 and 5-34 - Are all areas of compliancy that the MDGRID fails on, but require COE Tool and DBAdmin tool updates to work. See PTR 51 for details.

Code Review Checklist issues:

General Items:

The segments do not meet level 5 compliancy (see above segment compliancy failure issues)

Static functions and variables is not fully used in the MAGRID segment.

Headers on each routine/function describing functionality, output, input, and return values is not present on all routines.

Foreign keys are not defined in the MDGRID segment. MDGRIDGeoPhysParms, and MDGRIDSiteParms may have a foreign key referencing MDGRIDUnits. MDGRIDRegistrations may have a foreign key reference to MDGRIDAOIS.

Database roles have not been identified and defined. (See PTR 51, this is related to segment compliancy issues and current state of segment tools)

Originator's Recommendation:

PTR Assignment (if known)

Responsible Engineer(s):

Verified By:

Date Verified:

Program Trouble Report

Report Number: 64

Originator Information

Author:	Michael Frost	Created:	04/22/98
Site:	MC	Employer:	
Phone:	(408)656-4723	E-mail:	mfrost
Cross Ref#:			

System Information

Priority	Category	Type	Status
3	Problem	Software	Postponed

Open Systems

System	Version	Platform	Date
TESS(NC)-GRID	4.1	HPUX 1020 and NT 4.0 (both)	04/22/98
TESS(NC)-LLT	4.1	HPUX 1020 and NT 4.0 (both)	04/22/98
TESS(NC)-TXT	4.1	HPUX 1020 and NT 4.0 (both)	04/22/98
TESS(NC)-IMG	4.0	HPUX 1020 and NT 4.0 (both)	05/29/98

Modules: MAGRID

MALLT
MATXT
MAIMG

Module Functions or other Identifying Keywords:

Description of the Problem

One Line Problem Summary:

The get diagnostics informix call returns the wrong message length on the NT and a "%s" in the string on the HPUX (But correct length). On the NT the "%s" is expanded to the variable that it represents.

Steps Required to Duplicate the Problem:

Produce an informix type error by doing a unsetenv on INFORMIXSERVER

Repeatable? Yes **Likelihood of Occurrence:** Every time

Problem Description:

The get diagnostics informix call returns the wrong message length on the NT and a "%s" in the string on the HPUX (But correct length). On the NT the "%s" is expanded to the variable that it represents

See the attached TXT files for the correspondence I had with an Informix Rep.



Informix_3_27_1.tx Informix_4_1_1.tx Informix_4_2_1.tx Informix_4_6_1.tx

Originator's Recommendation:

Hold off. Does not seem to be a major problem, just an annoyance

PTR Assignment (if known)

Responsible Engineer(s):

Informix

Verified By: Michael Frost

Date Verified: 04/22/98

Program Trouble Report

Report Number: 256

Originator Information

Author:	Christine Raulli	Created:	11/19/98
Site:	NP	Employer:	
Phone:		E-mail:	craulli
Cross Ref#:			

System Information

Priority	Category	Type	Status
3	Enhancement	Software	Assigned

Open Systems

System	Version	Platform	Date
TESS(NC)-GRID	4.2	HPUX 1020 and NT 4.0 (both)	11/19/98

Modules: MAGRID

Module Functions or other Identifying Keywords:

Description of the Problem

One Line Problem Summary:
Provide support for a composite grid.

Steps Required to Duplicate the Problem:

Repeatable? Yes

Likelihood of Occurrence:

Problem Description:
S. Dreksler wrote:

We have been decoding the National Weather Service (NWS) data for a while. The NWS does some funny things with its gridding. They send out the same model subgridded. For example, for their Global MRF model, they divide the world into 3 segments:

GridID: 37 N Lat: 90.0 S Lat: 0.0 W Lon: -30.0 E Lon: 60.0
GridID: 39 N Lat: 90.0 S Lat: 0.0 W Lon: 150.0 E Lon: -120.0
GridID: 40 N Lat: 90.0 S Lat: 0.0 W Lon: -120.0 E Lon: -30.0

Is there a way to store each model as a single grid

Originator's Recommendation:

PTR Assignment (if known)

Responsible Engineer(s):

Verified By:

Date Verified:

Program Trouble Report

Report Number: 287

Originator Information

Author:	Robert Lincourt	Created:	12/16/98
Site:	NP	Employer:	Ned Hole
Phone:		E-mail:	rlincour
Cross Ref#:			

System Information

Priority	Category	Type	Status
3	Enhancement	Software	Assigned

Open Systems

System	Version	Platform	Date
TESS(NC)-GRID	4.2	HPUX 1020 and NT 4.0 and SOLARIS 2.6 (all)	16/12/98

Modules: MAGRID

Module Functions or other Identifying Keywords:

Description of the Problem

One Line Problem Summary:
MIME encode/decode support for 3D Grids

Steps Required to Duplicate the Problem:

Repeatable? Yes

Likelihood of Occurrence:

Problem Description:

This task has been revised to:

A. Provide an API to retrieve 3D Grids from the database and write out to a file in MIME format.

B. Provide an API to decode a MIME file containing 3D grids and ingest into the database.

Original Task

- A. Investigate/design XML tags for EOF grids messages
- B. Implement/modify grid Area Of Interest retrieval process:
 - Process METCAST request for EOF formatted grids.
 - Retrieve specified EOF grids and encode into XML format and return to METCAST for distribution.

- C. Implement XML parser (decoder) for EOF grids.
 - Upon mailcap/mime type invocation, strip XML tags from message.
 - Store to database.
- D. Support Integration of EOF grid encoding and decoding processes.

Originator's Recommendation:

PTR Assignment (if known)

Responsible Engineer(s):

Chris Raulli

Verified By:

Rob Lincourt

Date Verified:

12/15/98

Program Trouble Report

Report Number: 286

Originator Information

Author:	Robert Lincourt	Created:	12/15/98
Site:	NP	Employer:	Ned Hole
Phone:		E-mail:	rlincour
Cross Ref#:			

System Information

Priority	Category	Type	Status
5	Enhancement	Software	Assigned

Open Systems

System	Version	Platform	Date
TESS(NC)-GRID	4.2	HPUX 1020 and NT 4.0 and SOLARIS 2.6 (all)	15/12/98

Modules: MAGRID

Module Functions or other Identifying Keywords:

Description of the Problem

One Line Problem Summary:

When the updatemodels and deletemodels, and updateparams and deleteparams testdrivers are executed after the data has already been deleted, the testdriver returns a successful message.

Steps Required to Duplicate the Problem:

Repeatable? Yes

Likelihood of Occurrence:

Problem Description:

Originator's Recommendation:

PTR Assignment (if known)

Responsible Engineer(s):

Chris Raulli

Verified By:

Rob Lincourt

Date Verified:

12/14/98